



DARITEK® – Whey Protein Concentrate

Code 356

PRODUCT DESCRIPTION

A light cream to cream colored, spray dried whey protein concentrate with a minimum of 34% protein (WPC-34). Sweet whole whey is processed by ultrafiltration to remove a portion of the smaller molecular weight milk minerals and lactose.

FUNCTIONALITY

Daritek® is a highly nutritious protein source with multiple functionalities, including high solubility from pH 2 to 10, good water absorption, emulsification and gelation. The combination of lactose and protein contributes to a golden-brown color and cooked flavors.

TYPICAL APPLICATIONS

Bakery products: Can provide up to 50% replacement of fat or whole egg in cakes, brownies and soft cookies. **Frozen desserts:** Use Daritek as a partial to full replacement for milk solids-nonfat and stabilizers. **Cheese foods:** Daritek facilitates emulsification, complements cheese flavors and provides a smooth, creamy texture. **Cultured dairy products:** Reduces syneresis in yogurt and adds nutritional fortification. **Salad dressings and sauces:** Adds viscosity and improves mouthfeel.

STORAGE CONDITIONS

Dry/ambient conditions are recommended. Store less than 75% relative humidity. Do not store under refrigeration.

RE-EVALUATION DATE

Twelve months from date of manufacture.

TECHNICAL DATA

Ingredient Listing: Whey Protein Concentrate (milk)

Physical Analysis	Typical	Specification
Protein (Nx6.38)%	35.7	34.0 (min)
Lactose %	51.1	
Fat %	3.2	4.5 (max)
Minerals %	6.0	8.0 (max)
Moisture %	4.0	5.0 (max)
pH (10% solids)	6.4	6.0-7.2
Scorched Particles	7.5mg/25g	15.0mg/25g(max)

Microbiological Standards

Std Plate Count cfu/g	3,000	50,000 (max)
Coliform Count cfu/g	Negative	10 (max)
Y&M	10	100 (max)
E. coli	Negative	Negative
Salmonella	Negative	Negative

Food Energy

K Cal/100g	378
------------	-----

Mineral Analysis

Magnesium mg/100g	103
Sodium mg/100g	456
Potassium mg/100g	1,695
Iron mg/100g	0.6
Calcium mg/100g	502
Phosphorus mg/100g	533
Chloride mg/100g	990

Vitamin Analysis

Thiamine mg/100g	0.3
Riboflavin mg/100g	1.7
Niacin mg/100g	0.4

Physical Characteristics

Appearance	Free from lumps that do not break up under slight pressure
Flavor	Free from any foreign flavors and odors
Extraneous matter	Free from extraneous matter

Allergen Classification

Dairy product – contains whey proteins and lactose.